

Carboxypeptidase-B Active Protein | Cpb1 active protein

Recombinant Rat Carboxypeptidase-B

CATALOG #
AAA38666

HOST
E Coli

PRODUCT SYNONYMS

Carboxypeptidase-B; Recombinant Rat Carboxypeptidase-B; Carboxypeptidase B Rat; Carboxypeptidase-B Rat Recombinant; Carboxypeptidase B; Cpb1; Cpb; rCarboxypeptidase-B; Cpb1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The protein was lyophilized with 100mM NaCl, mannitol and 20mM Tris pH-7.5.
Sequence Length	415
Unit Definition	One Unit hydrolyzes one micromole of hippuryl-L-arginine per minute at 25°C, pH-7.65.
Physical Appearance	Sterile Filtered lyophilized powder.
Solubility	It is recommended to reconstitute the lyophilized Rat Carboxypeptidase-B in sterile 18M ² -cm H ₂ O or 25mM Tris-HCl pH 7.65 not less than 100µg/ml , which can then be further diluted to other aqueous solutions.
Biological Activity	170 units/mg protein.
Preparation and Storage	Store the lyophilized Carboxypeptidase-B at 4°C. Upon reconstitute the protein should be stored at 4°C for 2 weeks and for future use below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Cpb1 active protein	Recombinant Rat Carboxypeptidase-B is expressed in E.Coli having a Mw of 31kDa is purified by standard chromatography techniques. Recombinant Rat Carboxypeptidase-B is free from foreign enzymes such as carboxypeptidase A & chymotrypsin. Recombinant Carboxypeptidase-B is free from protease inhibitors such as PMSF and EDTA
Product Categories/Family for Cpb1 active protein	Enzymes ; Peptidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978697
NCBI GeneID	24271
NCBI Accession #	NP_036665.1
NCBI GenBank Nucleotide #	NM_012533.1
UniProt Accession #	P19223
NCBI Official Full Name	carboxypeptidase B
NCBI Official Synonym Full Names	carboxypeptidase B1 (tissue)
NCBI Official Symbol	Cpb1

NCBI Official Synonym Symbols	Cpb
NCBI Protein Information	carboxypeptidase B; pancreatic carboxypeptidase B1
UniProt Protein Name	Carboxypeptidase B
UniProt Gene Name	Cpb1
UniProt Synonym Gene Names	Cpb
UniProt Entry Name	CBPB1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/carboxypeptidase-b/38666>